

ABSTRACT

HEADLIGHT WITH A TRANSVERSE LIGHT SOURCE FOR A MOTOR  
VEHICLE

5 Headlight for a motor vehicle comprising a reflector  
and a light source (S) running transversely to the  
optical axis (Y-Y) of the reflector and placed near the  
focal point of the reflector. The transverse light  
10 source (S) is placed near the internal focal point (Fi)  
of an ellipsoidal reflector (R1). The wall of the  
ellipsoidal reflector has a cutout (1) situated on one  
side of the plane passing through the geometric axis of  
the light source (S) and parallel to the optical axis  
15 (Y-Y) of the ellipsoidal reflector. A lens (2) with an  
optical axis parallel to or coincident with that of the  
ellipsoidal reflector (R1) is placed in front of this  
reflector, the focal point (3) of the lens being close  
to the external focal point (Fe) of the ellipsoidal  
20 reflector. A verticalized reflector (R2) is arranged on  
the opposite side of the cutout (1) to the most-part of  
the ellipsoidal reflector (R1), this verticalized  
reflector (R2) being designed to produce, from the  
source (S) housed in the ellipsoidal reflector, a long-  
25 range beam which is not intercepted by the lens, the  
ellipsoidal reflector giving a wide beam of shorter  
range.

(Figure 1)